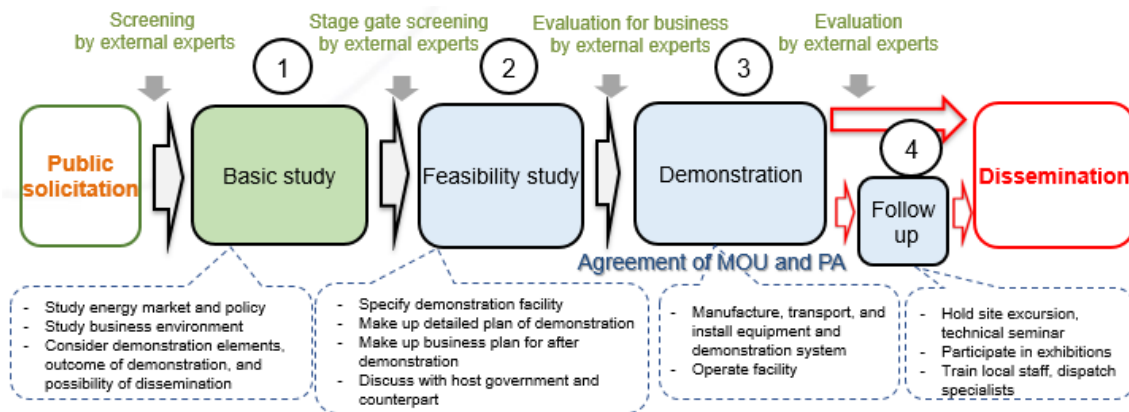


International Demonstration Project on Japan's Energy Efficiency

Technologies: Basic Study 2023 2nd Public Solicitation Result

NEDO is pleased to announce that the projects proposed by the entities listed below have been selected for the basic study stage as part of the scheme of the International Demonstration Project on Japan's Energy Efficiency Technologies.



The scheme of the International Demonstration Project on Japan's Energy Efficiency Technologies

No.	Provisional Project Name	Entities Note: (○) shows the leader of consortium
1	Verification Survey to improve energy conversion efficiency related to existing methane fermentation	TOHKEMY CORPORATION (○)
		TECHNOPLAN INC.
2	Experimental Study of "Production Technology of Bio Coke to Realize the Same Effect as Coal Coke in Indonesia"	AISIN TAKAOKA CO., LTD.
3	Demonstration research on CO ₂ → CO conversion chemical looping technology to achieve carbon neutrality in the steel industry	SEKISUI CHEMICAL CO., LTD.
4	Demonstration study of chemical recycling technology to establish a bottle-to-bottle recycling supply chain (Abu Dhabi, United Arab Emirates)	JEPLAN, INC.
5	In-situ oil reforming for low cost hydrogen production (USA)	JX Nippon Oil & Gas Exploration Corporation
6	Basic study for demonstration project of new aluminum recycling technology to achieve "aluminum-based circular economy"	ALHYTEC INC.



7	Demonstration study on improving mobility-related operational efficiency in snowy and cold regions to achieve carbon neutrality (Edmonton, Canada) / Verification requirement conformity study	Zenmov Inc.
8	Basic study for demonstration project of new green ammonia technology under lower temperature and lower pressure with compatibility against variable renewable energy	Tsubame BHB Co., Ltd.
9	Empirical Study on Recovery and Purification Technology of Neodymium Magnets from Motor Scrap	SUZUKI SHOKAI CO., LTD (○)
		NTT DATA INSTITUTE OF MANAGEMENT CONSULTING Inc.
10	Demonstration Project on precise dynamic maps for better predicting and optimizing vehicle CO2 emissions on highways, airports, and ports	Dynamic Map Platform CO., Ltd.
11	Demonstration study of next-generation ZEB coupling local renewable energy production for local consumption with power and hydrogen supply for mobility (USA California / Investigation of the PoC requirement and suitability study)	ENSO Japan KK (○)
		Tokyo Electric Power Company Holdings, Inc.
12	Demonstration Study on High-Ratio Co-firing of Biomass Fuel with Existing Coal-Fired Power Plants to Achieve Decarbonization (Quang Nam Province, Vietnam)	erex Co., Ltd.
13	Demonstration study of storage batteries to achieve grid stabilization as well as expansion of roof-mounted solar power generation in an industrial park (North of Hanoi, Vietnam)	Sumitomo Corporation (○)
		Thang Long Industrial Park II Corporation
		Nippon Koei Co., Ltd.
14	Demonstration of Ammonia firing to achieve decarbonization at anthracite coal fired power plant in Vietnam	IHI Corporation
15	Demonstration study of chemical recycling of PET resin to achieve decarbonization through expanded plastics recycling	Toray Industries, Inc. (○)
		TORAY FILMS EUROPE SAS
16	Demonstration study on Biomethane Production from Unused Resources for Realizing a Bioenergy Local Supply Chain	AIR WATER INC.

Note:

Provisional project names are subject to change after the signing of contracts between the entities and NEDO.

This information is only to announce that the entities have been selected for the basic study stage of the project scheme and does NOT give any guarantee about the progress of each project to later stages (i.e., the feasibility study and demonstration stages).

The progress of each project to the later stages is subject to further screening and evaluation.